Plugged & Abandoned - 1963

FILE NOTATIONS

Entered in N I D File
Entered On S R Sheet
Location Map Pinned
Card Indexed
I W R for State or Fee Land

Checked by Chief
Copy N I D to Field Office
Approval Letter
Disapproval Letter

COMPLETION DATA:

Date Well Completed
OW..... WW..... TA.....
GW..... OS..... PA.....

Location Inspected
Bond released
State of Fee Land

LOGS FILED

Driller's Log.....
Electric Logs (No.)
E..... I..... E-I..... GR..... GR-N..... Micro.....
Lat..... Mi-L..... Sonic..... Others.....

FILE NOTATIONS

Entered in N I D File X
Entered On S R Sheet X
Location Map Pinned X
Card Indexed X
I W R for State or Fee Land

Checked by Chief X
Copy N I D to Field Office X
Approval Letter X
Disapproval Letter

COMPLETION DATA: Completed 9-1-58

Date Well Completed 08-12-57
OW X WW..... TA.....
GW..... OS ✓ PA.....

Location Inspected
Bond released
State of Fee Land

12-13-58 LOGS FILED

Driller's Log 2-3-58
Electric Logs (No.) 3
E..... I..... E-I ✓ GR..... GR-N ✓ Micro.....
Lat..... Mi-L ✓ Sonic..... Others.....

Scout Report sent out	☑
Noted in the NID File	☑
Location map pinned	☑
Approval or Disapproval Letter	☑
Date Completed, P. & A. or operations suspended	9-1-58
Pin changed on location map	☐
Affidavit and Record of A & P	☐
Water Shut-Off Test	☐
Gas-Oil Ratio Test	☐
Well Log Filed	☑

Form 9-331 b
(April 1952)

Budget Bureau No. 42-R359.4.
Approval expires 12-31-60.

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Indian Agency [redacted]

Allottee [redacted]

Lease No. [redacted]

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	X	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL		SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

[redacted], 19[redacted]

Well No. [redacted] is located [redacted] ft. from {N/S} line and [redacted] ft. from {E/W} line of sec. [redacted]

[redacted] (¼ Sec. and Sec. No.) [redacted] (Twp.) [redacted] (Range) [redacted] (Meridian)

[redacted] (Field) [redacted] (County or Subdivision) [redacted] (State or Territory)

The elevation ~~of the derrick floor~~ above sea level is [redacted] ft. (estimated ground)

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

1. Drill 11" hole to 1000' ±
2. Cement 8-5/8" casing at 1000' ± with 225 sacks cement
3. Drill 7-7/8" to 6650' ±
4. If commercial production is obtained a supplementary notice will be issued, otherwise, plug and abandon in accordance with U.S.G.S. regulations.

Surface formation is Jurassic - San Rafael group

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company [redacted]

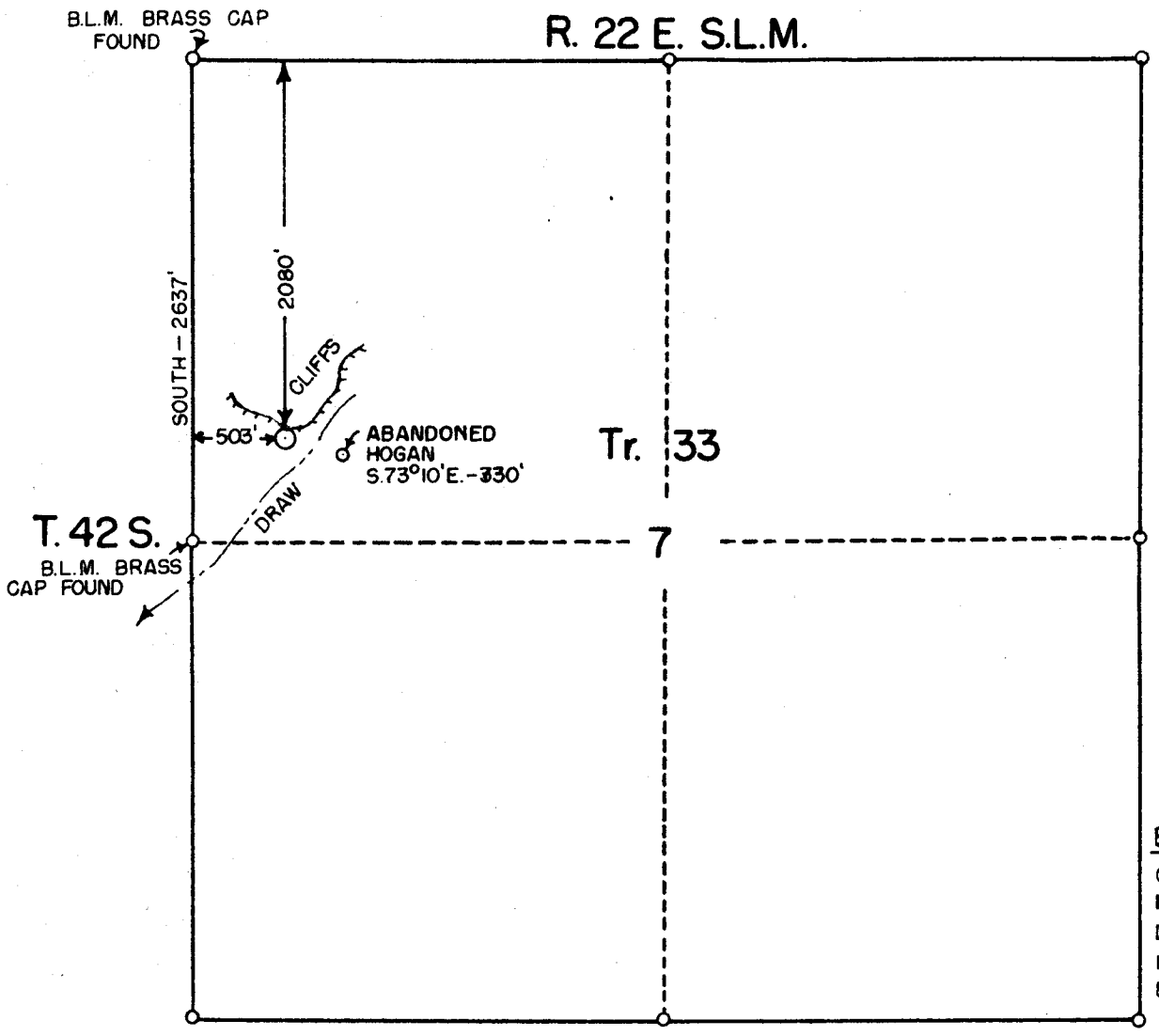
Address [redacted]

[redacted]

By B W Shepard

Title [redacted]

U. S. GOVERNMENT PRINTING OFFICE 16—8437b-8



ELEVATION DATA

GROUND
MATT
D.F.
K.B.
B.M.

REFERENCE POINT DATUM-

1"X2" STAKES SET AT 10' N.,S.,E., & W. OF LOC.

1"x2" stake and 3' flag set at 293'E., 163'W., 149'N., 195'S. of Loc.
5/8"x4' steel rod and 10' flag set at Loc. being 2080'S. & 503'E. of the NW. cor. of Sec. 7, Tr. 33, T.42S., R.22E. S.L.M.
1"x2" hub and 3' flag bears East 293' from Loc. for B.M.

This is to certify that the above plat was prepared from field notes of an actual survey made by me , and that the same is true and correct to the best of my knowledge and belief.

John A. Kroeger

John A. Kroeger, Reg. L.S.
Utah Reg. No. 1648

Drawn By: A.C.T.	SHELL OIL COMPANY	Scale 1" = 1000'
Checked By: JAK		
Date: 5/31/57		

LOCATION OF TOHONADALA NO. 2

SAN JUAN COUNTY, UTAH, TR.33, SEC.7, T.42S., R.22E., S.L.M.

June 5, 1957

Shell Oil Company
108 North Behrend
Farmington, New Mexico

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Tohonadla 2, which is to be located 2080 feet from the north line and 503 feet from the west line of Section 7, Township 42 South, Range 22 East, SLBM, San Juan County, Utah.

Please be advised that insofar as this office is concerned, approval to drill said well is hereby granted.

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

GLENN B. FRIGHT
SECRETARY

GBF:en

cc: Phil McGrath/ Jerry Long
U.S.G.S. Farmington,
New Mexico

Form 9-331 b
(April 1952)

X	7		

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 42-R359.4.
Approval expires 12-31-60.

Indian Agency Navajo

Allottee Tribal Lands

Lease No. 14-20-603-232

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL		SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	X
NOTICE OF INTENTION TO ABANDON WELL			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

June 27, 1957

Tohonadla
Well No. 2 is located 2080 ft. from {N/S} line and 503 ft. from {E/W} line of sec. 7

NW 7 (¼ Sec. and Sec. No.) | 42S (Twp.) | 22E (Range) | SLBM (Meridian)

Wildcat (Field) | San Juan (County or Subdivision) | Utah (State or Territory)

The elevation above sea level is 4920 ft. (Approx. ground)

7-8-57

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

6-24,25-57 Ran and cemented 990' of 8 5/8", 32#, J-55 casing at 1002' with 125 sacks pozzo mix and 100 sacks treated construction cement. Good returns to surface. Flanged up and waited on cement. Pressure tested casing and BOP with 700 psi, OK.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Shell Oil Company

Address 108 N. Behrend

Farmington, New Mexico

By B. W. Shepard
B. W. Shepard
Title Exploitation Engineer

U. S. GOVERNMENT PRINTING OFFICE 16—8437b-8

Form 9-331 b
(April 1952)

X	7		

(SUBMIT IN TRIPLICATE)

Budget Bureau No. 42-R359.4.
Approval expires 12-31-60.

Indian Agency Navajo

Allottee Tribal Lands

Lease No. 14-20-603-232

Noted Q&A 8-14-57

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL		SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	X
NOTICE OF INTENTION TO ABANDON WELL			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

July 31, 19 57

Tohonadla

Well No. 2 is located 2080 ft. from {N} line and 503 ft. from {W} line of sec. 7

NW 7 (¼ Sec. and Sec. No.) 42S (Twp.) 22E (Range) SLBM (Meridian)

Wildcat (Field) San Juan (County or Subdivision) Utah (State or Territory)

The elevation of the ~~derrick floor~~ Kelly Bushing above sea level is 4817.7 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

7-23-57 DST #1 5155-5215 - Failed.

DST #1A 5155-5212 (Lower Hermosa)
Open 2-1/2 hours. Good blow air throughout test. 150' total recovery including 90' (.45 bbls) slightly gassy mud, 30' (.15 bbls) slightly oily and gas cut mud, 30' (.15 bbls) heavily oily and gas cut mud. ISIP 650 (still rising 30 min), IFP 120, FFP 110, FSIP 725 (75 min still rising) 30' air cushion.

7-26-57 DST #2 5239-5369 (Paradox)
Initial shut in 30 minutes, open 3 hours, immediate moderate blow throughout test. Shut in 75 minutes. Recovered 630' (7.25 bbls) including 390' (5.5 bbls) mud + 60' (.85 bbls) slightly gas cut mud and 180' (.90 bbls) heavily oil and gas cut mud. ISIP 1290, IFP 135, FFP 265, FSIP 1300, HP 2690.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Shell Oil Company

Address 101 South Behrend

Farmington, New Mexico

By B. W. Shepard
B. W. Shepard
Title Exploitation Engineer

W/

U. S. GOVERNMENT PRINTING OFFICE 16—8437b-8

Form 9-331 b
(April 1952)

Budget Bureau No. 42-R359.4.
Approval expires 12-31-60.

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Indian Agency Navajo

Allottee Tribal Lands

Lease No. 14-20-603-232

Noted CAK 8-14-57

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL		SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	X	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL # # # # Plug lower Portion of Hole	X		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

August 7, 19 57

Tohonadla
Well No. 2 is located 2080 ft. from {N / X} line and 903 ft. from {E / W} line of sec. 7

NW 7 (¼ Sec. and Sec. No.) 42S (Twp.) 22E (Range) SLBM (Meridian)

Wildcat (Field) San Juan (County or Subdivision) Utah (State or Territory)

The elevation of the Kelly Bushing above sea level is 4918 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Status: Total Depth - 6099'
Casing - 8-5/8" at 1002'
Hole Size: 7-7/8" from 1002-6099'.

Proposed Work:
1. Plug with 50 sacks cement at 6085' and 25 sacks cement at 5525'.
2. Cement 5-1/2", 14# casing at 5412 with 200 sacks construction cement.
3. Clean out if necessary.
4. Perforate four 1/2" holes/ft 5249-54', 5259-65', 5281-85', 5294-5300' and 5304-10'.
5. Acid wash with 250 gal mud acid. Acidize with 2000 gal NFW acid followed by 2000 gal Jel X 100 acid.
6. Make production test.
7. Set Bridge plug at 5290'.
8. Perforate four 1/2" holes/ft 5168-73, 5179-82; 5198-5210' and 5225-31'. (OVER)

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Shell Oil Company

Address 101 South Behrend

Farmington, New Mexico

By B W Shepard
B. W. Shepard
Title Exploitation Engineer

U. S. GOVERNMENT PRINTING OFFICE 16—8437b-8

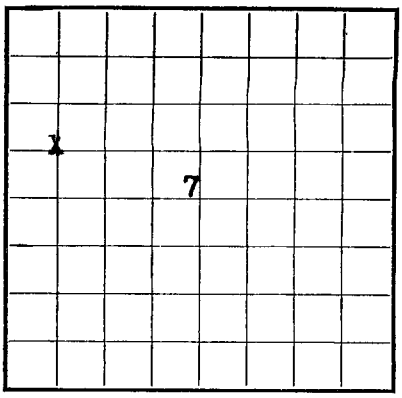
9. Acid wash with 290 gal mud acid. Acidize with 2000 gal XFW acid followed by 2000 gal Jel X 100 acid.
10. Swab well into production, establish initial rate.

5

Form 9-330

Bud. Bureau No. 42-R355.4.
Approval expires 12-31-60.

U. S. Land Office Window Rock, Ariz.
Serial Number 14-20-603-232
Lease or Permit to Prospect -



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Shell Oil Company Address 101 S. Behrend, Farmington, N. M.

Lessor or Tract Tribal Lands Field Tohonadla State Utah

Well No. 2 Sec. 7 T. 42S R. 22E Meridian SLBM County San Juan

Location 2080 ft. {N./S.} of N. Line and 503 ft. {E./W.} of W. Line of Sec. 7 Elevation 4817.7 KB
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed [signature]

Date January 20, 1958 Title Exploitation Engineer

The summary on this page is for the condition of the well at above date.

Commenced drilling June 20, 19 57 Finished drilling August 4, 19 57

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 5247 (gross) to 5310 No. 4, from - to -

No. 2, from 5168 to 5231 No. 5, from - to -

No. 3, from - to - No. 6, from - to -

IMPORTANT WATER SANDS

No. 1, from - to - No. 3, from None noted to -

No. 2, from - to - No. 4, from - to -

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated From—	Perforated To—	Purpose
8-5/8"	32#	8	-	992'	Baker	-	-	-	Surface
5-1/2"	14#	8	-	5402'	Baker	-	5247	5310	Production
							5168	5231	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"		125 pozzo mix + 100	Displacement	-	-
5-1/2"	5412	200	"	-	-

PLUGS AND ADAPTERS

Heaving plug—Material - Length - Cleaned out Depth 5340

Adapters—Material - Size -

SHOOTING RECORD

FOLD MARK

FOLD | MARK

8-5/8"		125 posso mix + 100	Displacement	-	-
5-1/2"	5412	200	"	-	-

PLUGS AND ADAPTERS

Heaving plug—Material ____ Length ____ Depth set 5340 Cleaned out

Adapters—Material ____ Size ____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from 0 feet to 6099 feet, and from ____ feet to ____ feet

Cable tools were used from ____ feet to ____ feet, and from ____ feet to ____ feet

DATES

Suspended August 16, 19 57

Put to producing See Attached, 19____

The production for the first 24 hours was ____ barrels of fluid of which ____% was oil; ____% emulsion; ____% water; and ____% sediment.

Gravity, °Bé. ____

If gas well, cu. ft. per 24 hours ____ Gallons gasoline per 1,000 cu. ft. of gas ____

Rock pressure, lbs. per sq. in. ____

EMPLOYEES

H. W. Lemms, Driller — New Drilling Co.

R. L. Fisher, Driller — B. J. Fisher, Driller

____, Driller — ____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION

[OVER]

16—43094-4

16—43094-2 U. S. GOVERNMENT PRINTING OFFICE

HISTORY OF OIL OR GAS WELL

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

Attached: 1) Drilling History
2) Core record
3) Ditch sample description

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

GEOLOGICAL SURVEY
DEPARTMENT OF THE INTERIOR
UNITED STATES

DITCH SAMPLES

Examined by _____ ____to ____
_____ ____to ____

Well Tohonadla #2
Field or Area Tohonadla

FROM	TO	%	SHOWS UNDERLINED	SAMPLES LAGGED NOT
0	400		No samples	
400	430	50 50	Sandstone, orange, very fine, sub-round, well sorted Shale, brown, silty.	
430	460	30 70	Sandstone, as above Shale, as above	
460	490	100	Shale, as above	
490	550	50 50	Sandstone, as above Shale, as above	
550	750		No samples	
750	990	100	Shale, red orange, soft	
990	1020		Skip	
1020	1120	100	Sandstone, orange, fine, sub-round, well sorted, calcareous, with large grains in 1040-50.	
1120	1400		No samples	
1400	1440	100	Siltstone, orange, mottled green, very calcareous	
1440	1450	100	Shale, red	
1450	1520	100	Shale, red, mottled green, calcareous	
1520	1550	100	Shale, as above, very calcareous	
1550	1570	100	Shale, orange, very calcareous	
1570	1600	100	Shale, red, calcareous	
1600	1700	100	Shale, as above, mottled green	
1700	1710		Skip	
1710	1760	100	Shale, as above	
1760	1870	100	Limestone, red,mottled green, I-IIIVF-FA, very argillaceous	
1870	1890	100	Sandstone, medium green, very fine-fine, micaceous, bentonitic	
1890	1900	100	Shale, green and gray, very bentonitic	
1900	2000	100	Sandstone, light gray, fine, sub round, well round, poorly sorted. bentonitic (very bentonitic)	

DITCH SAMPLES

Examined by _____ ____to ____
_____ ____to ____

Well Tohonadla #2
Field or Area Tohonadla

SAMPLES LAGGED NoT

FROM	TO	%	SHOWS UNDERLINED
2000	2100	100	Shale, red, calcareous
2100	2110		Skip
2110	2120	70	Shale, pale green
		30	Sandstone, white, medium, sub-round, fairly sorted, carbonaceous
2120	2140	100	Shale, as above
2140	2180	100	Sandstone, white-pale green, very fine-fine, sub-round, well sorted, white micaceous
2180	2200	100	Shale, as above
2200	2250	100	Sand, white, course, sub-angular
2250	2260	60	Sand, as above
		40	Shale, as above
2260	2290	50	Sand, as above
		50	Shale, as above
2290	2300	40	Sand, as above
		60	Shale, as above
2300	2580	100	Sandstone, orange, very fine, sub-round, well sorted
2580	2650	100	Shale, red and green
2650	2660	60	Shale, as above
		40	Shale, dark brown
2660	2670	70	Shale, as above
		30	Shale, dark brown
2670	2680	50	Shale, as above
		50	Shale, dark brown
2680	2700	40	Shale, as above
		60	Shale, dark brown
2700	2710	70	Shale, as above
		30	Shale, dark brown
2710	2730	80	Shale, as above
		20	Shale, dark brown
2730	2740	70	Shale, as above
		30	Shale, as above

DITCH SAMPLES

Examined by _____ ____to ____
_____ ____to ____

Well Tohonadla #2
Field or Area Tohonadla

FROM	TO	%	SHOWS UNDERLINED — SAMPLES LAGGED NOT
2740	2750	100	Shale, as above, with trace dark brown shale
2750	2780	80	Shale, as above
		20	Shale, dark brown
2780	2790	90	Shale, as above
		10	Shale, dark brown
2790	3020	100	Shale, red and green
3020	3090		No samples
3090	3100	100	Shale, red orange, silty
3100	3200	100	Shale, as above, calcareous
3200	3250	100	Shale, as above, not calcareous
3250	3270	100	Shale, as above, calcareous, with white anhydrite inclusions
3270	3300	100	Siltstone, red, calcareous
3300	3400	100	Shale, red orange, calcareous
3400	3440	100	Siltstone, red orange, calcareous, with anhydrite inclusions
3440	3450	100	Shale, pale green
3450	3490	100	Shale, pale green and brown
3490	3500	100	Shale, green, gray and red
3500	3530	100	Shale, as above
3530	3540	50	Shale, red with white anhydrite inclusions
		50	Shale, green and gray
3540	3550	70	Shale, green and gray
		30	Sandstone, brown, fine to very fine, angular
3550	3560	100	Shale, red orange, calcareous
3560	3580	100	Sandstone, brown, very fine, calcareous
3580	3590	100	Shale, green and red, calcareous
3590	3600	50	Sandstone, as above
		50	Shale, red, calcareous
3600	3700	100	Shale, red and green, calcareous, with rare anhydrite inclusions

DITCH SAMPLES

Examined by _____ ____to ____
_____ ____to ____

Well Tohonadla #2
Field or Area Tohonadla

SAMPLES LAGGED NOT

FROM	TO	%	SHOWS UNDERLINED
3700	3710	100	Sandstone, dark brown, very fine, calcareous
3710	3770	100	Shale, red, green, soft, calcareous
3770	3800	100	Shale, red, silty, calcareous
3800	3850	100	Shale, brown, red, and green, calcareous
3850	3860	90 10	Shale, red, calcareous, silty Limestone, gray, IVFA
3860	3870	100	Shale, as above
3870	3900	50 50	Siltstone, brown, calcareous Shale, as above
3900	4000	100	Shale, red orange, silty, calcareous, mottled green
4000	4070	100	Shale, as above
4070	4080	70 30	Siltstone, orange, brown, calcareous Shale, as above
4080	4090	80 20	Siltstone, as above Shale, as above
4090	4100	100	Siltstone, as above
4100	4120	100	Siltstone, dark brown, calcareous
4120	4160	100	Shale, orange, brown and green, calcareous
4160	4240	100	Siltstone, orange, brown, calcareous
4240	4250	60 40	Limestone, light gray, IVFA, sandy Siltstone, as above
4250	4260	100	Shale, brown, calcareous, silty
4260	4270	50 50	Sandstone, white, fine, angular, very calcareous Shale, as above
4270	4280	100	Shale, as above
4280	4290	100	Limestone, white, IVFA, very sandy
4290	4320	100	Sandstone, as above, very calcareous
4320	4340	50 50	Sandstone, as above Limestone, white, IVFA, very sandy

DITCH SAMPLES

Examined by _____ ____to ____
_____ ____to ____

Well Tohonadla #2
Field or Area Tohonadla

FROM	TO	%	SHOWS UNDERLINED	SAMPLES LAGGED NOT
4340	4350	100	Sandstone, light gray, very fine, angular, very calcareous	
4350	4400	100	Shale, red orange, silty, calcareous	
4400	4405	100	Limestone, medium gray, IVFA	
4405	4410	50	Limestone, medium gray, I-IIIVF-MA	
		50	Shale, light green, calcareous	
4410	4415	40	Limestone, as above	
		60	Shale, as above	
4415	4420	60	Limestone, as above	
		40	Shale, as above	
4420	4425	100	Shale, light green, calcareous	
4425	4440	100	Shale, red, brown and green, silty, calcareous	
4440	4445	100	Shale, brown, silty, calcareous	
4445	4450	100	Siltstone, brown, very calcareous	
4450	4455	70	Siltstone, dark brown, very calcareous	
		30	Shale, light green, calcareous	
4455	4460	60	Siltstone, as above	
		40	Shale, as above	
4460	4465	70	Siltstone, as above	
		30	Shale, as above	
4465	4470	60	Siltstone, as above	
		40	Shale, as above	
4470	4475	70	Siltstone, as above	
		30	Shale, as above	
4475	4480	50	Siltstone, as above	
		50	Shale, red, brown, green, calcareous, silty	
4480	4485	40	Siltstone, as above	
		60	Shale, as above	
4485	4500	20	Siltstone, as above	
		80	Shale, as above	
4500	4525	100	Shale, orange and green, calcareous	
4525	4540	100	Sandstone, white, fine, angular, well sorted, very calcareous	

DITCH SAMPLES

Examined by _____ ____to ____
_____ ____to ____

Well Tohonadla #2
Field or Area Tohonadla

FROM	TO	%	SHOWS UNDERLINED	SAMPLES LAGGED NOT
4540	4555	100	Limestone, white, IVFA	
4555	4565	100	Sandstone, orange, brown, very fine, angular, well sorted, very calcareous	
4565	4575	100	Limestone, gray, IVFA, sandy	
4575	4590	80	Shale, red and green, calcareous	
		20	Limestone, as above	
4590	4605	100	Limestone, light gray, IVFA	
4605	4610	80	Limestone, light gray to white, IVF-MA	
		20	Chert, pale orange, transparent	
4610	4615	40	Limestone, as above	
		40	Shale, medium gray	
		20	Chert, as above	
4615	4620	90	Limestone, as above	
		10	Chert, as above	
4620	4625	100	Limestone, as above	
4625	4635	100	Shale, olive gray, anhydritic calcareous	
4635	4645	90	Limestone, white, IIIFA, very sandy	
		10	Chert, white to pale orange, transparent	
4645	4650	80	Limestone, as above	
		20	Chert, white, transparent	
4650	4655	80	Limestone, light gray, IVFA, very sandy	
		20	Chert, tan, transparent	
4655	4660	70	Limestone, as above	
		30	Chert, as above	
4660	4665	80	Limestone, light gray, I-IIIVF-FA	
		20	Chert, tan to white, transparent	
4665	4675	100	Limestone, light gray, IFA, with fragments, chert as above.	
4675	4680	100	Limestone, light gray, brown, IF-MA, sandy	
4680	4685	100	Shale, medium green, sub-waxy.	
4685	4690	80	Shale, as above	
		20	Limestone, white, IVFA	
4690	4700	100	Limestone, white to light gray, I-IIIVF-FA	
4700	4710	100	Shale, red, and green, calcareous Very poor samples 4700-4725	

DITCH SAMPLES

Examined by _____ ___to ____
_____ ___to ____

Well Tohonadla #2
Field or Area Tohonadla

FROM	TO	%	SHOWS UNDERLINED	SAMPLES LAGGED NOT
4710	4715	100	Limestone, gray, IVFA	
4715	4720	100	Shale, red and green, as above	
4720	4725	100	Limestone, white, IMA, sandy	
4725	4730	100	Limestone, light gray, IFA, with fragments orange, chert, translucent	
4730	4735	100	Limestone, as above, no chert	
4735	4750	100	Shale, dark brown and green, calcareous	
4750	4780	100	Sandstone, light gray, very fine, angular, well sorted, very calcareous, micaceous.	
4780	4785	50	Limestone, medium brown, IVFA	
		50	Limestone, pale gray, IVFA	
4785	4790	100	Limestone, light gray, brown, IVFA	
4790	4800	100	Limestone, tan, IVFA	
4800	4810	100	Limestone, as above	
4810	4820	20	Limestone, as above	
		80	Shale, red and green, calcareous	
4820	4825	10	Limestone, as above	
		90	Shale, as above	
4825	4830	90	Limestone, tan, IVFA	
		10	Chert, tan, transparent	
4830	4835	100	Limestone, pale gray, IVFA, sandy	
4835	4850	80	Shale, green	
		20	Limestone, as above, not sandy	
4850	4860	100	Limestone, tan, IVFA	
4860	4870	100	Limestone, as above, with few clear chert fragments	
4870	4875	100	Limestone, tan, IVFA, sandy	
4875	4900	100	Limestone, medium brown, IVFA	
4900	4905	50	Limestone, as above	
		50	Sandstone, light gray, very fine, angular, very calcareous	
4905	4910	100	Limestone, light gray, IVFA, sandy	

DITCH SAMPLES

Examined by _____ ____to ____
_____ ____to ____

Well Tohonadla #2
Field or Area Tohonadla

FROM	TO	%	SHOWS UNDERLINED	SAMPLES LAGGED NOT
4910	4915	50	Limestone, light brown, IVFA	
		50	Limestone, white, IVFA, sandy	
4915	4920	100	Limestone, light brown, IVFA, sandy with very small orange chert fragments	
4920	4925	100	Shale, medium gray-green, calcareous	
4925	4930	70	Shale, green, calcareous	
		30	Limestone, light brown, IVFA	
4930	4935	60	Shale, as above	
		40	Limestone, as above	
4935	4940	50	Shale, as above	
		50	Limestone, as above	
4940	4955	70	Shale, as above	
		30	Limestone, as above	
4955	4975	70	Shale, as above	
		30	Limestone, as above	
4975	4990	100	Limestone, tan, IVFA	
4990	4995	100	Limestone, light gray, I-IIIVF-FA, with scattered sand grains	
4995	5000		Skip	
5000	5005	70	Sandstone, light gray, very fine, calcareous, micaceous	
		30	Limestone, as above	
5005	5010	50	Chert, dark brown, opaque, speckled	
		50	Limestone, medium brown, IIIFA	
5010	5015	100	Limestone, tan, IVFA, with chert fragments, as above	
5015	5020	80	Limestone, as above	
		20	Chert, as above	
5020	5025	80	Limestone, medium brown, I-IIIVF-FA	
		20	Chert, as above	
5025	5035	100	Limestone, tan, IVFA, sandy in part	
5035	5050	100	Limestone, tan, IVFA	
5050	5055	70	Limestone, as above	
		30	Limestone, tan, IVFA, sandy	

DITCH SAMPLES

Examined by _____ ____to ____
_____ ____to ____

Well Tohonadla #2
Field or Area Tohonadla

FROM	TO	%	SHOWS UNDERLINED — SAMPLES LAGGED NOT
5055	5060	50	Limestone, as above
		30	Limestone, tan, as above
		20	Shale, dark gray, calcareous
5060	5065	50	Limestone, tan, IVFA
		50	Chert, tan-clear, translucent
5065	5070	70	Limestone, as above
		30	Chert, as above
5070	5075	60	Chert, as above
		20	Limestone, as above
		20	Shale, medium gray, calcareous
5075	5080	70	Chert, as above
		30	Limestone, light brown-tan, IVF-FA
5080	5085	20	Chert, as above
		80	Limestone, as above
5085	5095	100	Shale, gray, green, calcareous
5095	5100	50	Shale, as above
		50	Limestone, light brown, I-IIIVF-FA
5100	5105	50	Shale, dark gray, calcareous
		30	Chert, tan, translucent, to white, clear
		20	Limestone, tan, IVFA
5105	5110	100	As above
5110	5125	100	Chert, tan-white, translucent-transparent
5125	5130	60	Chert, as above
		40	Limestone, tan, IMA
5130	5135	70	Chert, as above
		30	Shale, black, calcareous
5135	5140	100	Chert, as above
5140	5145	50	Chert, as above
		50	Limestone, tan, IIIMA
5145	5150	100	Limestone, medium gray, III-IFA, argillaceous
5150	5155	100	Limestone, as above
5155	5160	100	Limestone, black, IIIFA, very argillaceous
5160	5165	100	Shale, black, silty, calcareous
5165	5169	100	Limestone, light gray, I-IIIVF-FA, with trace bright yellow Fluorescence medium yellow Cut Fluorescence.

PD 4-9 8-50

SHELL OIL COMPANY

CORE RECORD

WEEK ENDING

CORE FROM TO

CORES EXAMINED BY

AREA OR FIELD Tohonadla #2

COMPANY Shell Oil Company

LEASE AND WELL NO. Tohonadla #2

NO.	FROM	TO	RECOV-ERED	FORMATIONAL, STRUCTURAL AND PROBABLE PRODUCTIVITY DESCRIPTION OF CORE	SYMBOL	OBSERVED DIP	CORE INDICATIONS OIL—GAS CORE OR DITCH
Core #1.	5169'	- 5212'	, Recovered 39'				See Description
	5169	5171	2'	Limestone, tan, IIIFC$_1$ + D$_1$ with fragments of light gray, I-IIIVF-FA limestone (appears brecciated); 50% bright yellow Fluorescence, strong yellow Cut Fluorescence, few open fractures, partially filled with calcite.			
	5171	5172	1'	Limestone, tan, III-IF-LA, with patches large calcite crystals, rare D vugs.			
	5172	5173	1'	Limestone, as above, with 10% yellow Fluorescence, pale yellow Cut Fluorescence.			
	5173	5174	1'	Limestone, tan IIIFC$_1$ + D$_1$ with fragments light gray, IVFA Limestone, 40% bright yellow Fluorescence, very strong yellow Cut Fluorescence.			
	5174	5175	1'	Limestone, as above, 20% Fluorescence and Cut Fluorescence as above.			
	5175	5176	1'	Limestone, tan, IIIF-MC$_2$ + D$_1$ with fragments gray, IVFA Limestone and clusters large white calcite crystals, 30% Fluorescence and Cut Fluorescence as above.			
	5176	5177	1'	Limestone, as above, C$_1$ + B$_1$ + D$_1$, 30% Fluorescence and Cut Fluorescence as above.			
	5177	5178	1'	Limestone, as above, C$_2$ + B$_1$ + D$_1$, 30% Fluorescence and Cut Fluorescence as above.			
	5178	5179	1'	Limestone, tan IIIF-mC$_5$ + D$_2$, 40% bright yellow Fluorescence, medium-strong yellow Cut Fluorescence, with large calcite crystals.			
	5179	5180	1'	Limestone, as above, C$_5$ + D$_2$ + B$_1$, 40% Fluorescence and Cut Fluorescence, as above.			
	5180	5181	1'	Limestone, as above, C$_5$ + B$_5$ + D$_3$, 60% Fluorescence and Cut Fluorescence, as above.			

1-CLAY OR SHALE WITH SAND STREAKS (SAND 5-25%). 2-CLAY OR SHALE AND SAND (SAND 25-60%). 3-SAND WITH SHALE STREAKS (SAND 60-90%). S-SAND (90-100%).

PD 4-B 8-50

SHELL OIL COMPANY

CORE RECORD

WEEK ENDING_____

CORE FROM_____ TO_____

CORES EXAMINED BY_____

AREA OR FIELD Tohonadla

COMPANY Shell Oil Company

LEASE AND WELL NO. Tohonadla #2

NO.	FROM	TO	RECOV-ERED	FORMATIONAL, STRUCTURAL AND PROBABLE PRODUCTIVITY DESCRIPTION OF CORE	SYMBOL	OBSERVED DIP	CORE INDICATIONS OIL—GAS CORE OR DITCH
	5181	5182	1'	Limestone, as above, $C_5 + B_5 + D_1$, 40% Fluorescence and Cut Fluorescence as above.			See Description
	5182	5183	1'	Limestone, tan, IIIf-m$C_5 + B_1 + D_1$, 20% Fluorescence and Cut Fluorescence as above, with patches gray, IvFA limestone.			
	5183	5184	1'	Limestone, as above, $C_2 + B_2$, 50% Fluorescence, and Cut Fluorescence, as above.			
	5184	5185	1'	Limestone, as above, $C_5 + B_2 + D_1$, 50% Fluorescence and Cut Fluorescence, as above.			
	5185	5186	1'	Limestone, tan, IIIm-1 $C_7 + B_2 + D_2$, with patches gray, IVFA limestone, 20% bright yellow Fluorescence, medium yellow Cut Fluorescence.			
	5186	5187	1'	Limestone, as above.			
	5187	5188	1'	Limestone, as above, $C_3 + D_1$, 40% Fluorescence and Cut Fluorescence, as above.			
	5188	5189	1'	Limestone, as above, $C_2 + D_1$, 90% light yellow Fluorescence, medium yellow Cut Fluorescence.			
	5189	5190	1'	Limestone, as above, $C_5 + D_1$, 50% bright yellow Fluorescence, medium yellow Cut Fluorescence, rare brachiopod fragments.			
	5190	5191	1'	Limestone, tan-gray, IIIF$B_1 + C_1$ with patches & fragments light gray, IvFA, limestone, 20% light yellow Fluorescence, pale yellow Cut Fluorescence.			
	5191	5192	1'	Limestone, light gray, IvFA, with patches tan, IIIF-mA Limestone, in fractures.			
	5192	5193	1'	Limestone, tan, IIIf-m$C_3 + B_1$ with patches gray, IvFA limestone, 25% bright yellow Fluorescence, strong yellow Cut Fluorescence.			

SYMBOLS: C-CLAY OR SHALE (SAND 0-5%). 1-CLAY OR SHALE WITH SAND STREAKS (SAND 5-25%). 2-CLAY OR SHALE AND SAND (SAND 25-60%). 3-SAND WITH SHALE STREAKS (SAND 60-90%). S-SAND (90-100%).

PD 4-B 8-50

WEEK ENDING

CORE FROM TO

CORES EXAMINED BY

SHELL OIL COMPANY
CORE RECORD

AREA OR FIELD Tohonadla

COMPANY Shell Oil Company

LEASE AND WELL NO. Tohonadla #2

NO.	FROM	TO	RECOVERED	FORMATIONAL, STRUCTURAL AND PROBABLE PRODUCTIVITY DESCRIPTION OF CORE	SYMBOL	OBSERVED DIP	CORE INDICATIONS OIL—GAS CORE OR DITCH
	5193	5194	1'	Limestone, light gray, IvFA, with stringers tan, IIIf-mA limestone, trace D & C porosity, 40% bright yellow Fluorescence, strong yellow Cut Fluorescence.			See Description
	5194	5195	1'	Limestone, tan-light gray, IIIf-mC_5 + B_1 + trace D, 30% Fluorescence and Cut Fluorescence as above, fusulinids.			
	5195	5196	1'	Limestone, as above, no fusulinids, 40% Fluorescence and Cut Fluorescence, as above.			
	5196	5197	1'	Limestone, as above, with small brachiopods, 30% Fluorescence and Cut Fluorescence, as above.			
	5197	5198	1'	Limestone, as above, 30% Fluorescence and Cut Fluorescence, as above.			
	5198	5199	1'	Limestone, tan-light gray, IIIf-mC_5, 40% Fluorescence and Cut Fluorescence as above.			
	5199	5200	1'	Limestone, as above, 40% Fluorescence and Cut Fluorescence as above.			
	5200	5203	3'	Limestone, light gray, IIIvF-FA.			
	5203	5204	1'	Limestone, light gray, IvF - trace C, with patches light gray, IvFA limestone, 40% bright yellow Cut Fluorescence, pale Cut Fluorescence.			
	5204	5205	1'	Limestone, tan, IIIfC_1, 20% light yellow Fluorescence and Cut Fluorescence.			
	5205	5206	1'	Limestone, as above, 20% Fluorescence and Cut Fluorescence as above.			
	5206	5207	1'	Limestone, as above, C_1 + B_2, 50% bright yellow Fluorescence and strong Cut Fluorescence.			
	5207	5207.5	.5'	Limestone, light gray, I-IIIvF-F^A, 5% Fluorescence and Cut Fluorescence as above.			
	5207.5	5208	.5'	Limestone, medium gray, IvFA, slightly argillaceous.			

SYMBOLS: C-CLAY OR SHALE (SAND 0-5%). 1-CLAY OR SHALE WITH SAND STREAKS (SAND 5-25%). 2-CLAY OR SHALE AND SAND (SAND 25-60%). 3-SAND WITH SHALE STREAKS (SAND 60-90%). S-SAND (90-100%).
NOTE: SHOW FLUID CONTENT AS IN STANDARD LEGEND

PD 4-B 8.50

SHELL OIL COMPANY

WEEK ENDING

CORE FROM TO

CORES EXAMINED BY

CORE RECORD

AREA OR FIELD Tohonadla

COMPANY Shell Oil Company

LEASE AND WELL NO. Tohonadla #2

FROM	TO	RECOVERED	FORMATIONAL, STRUCTURAL AND PROBABLE PRODUCTIVITY DESCRIPTION OF CORE	SYMBOL	OBSERVED DIP	CORE INDICATIONS OIL—GAS / CORE OR DITCH
ore #2, 5212-5259', Recovered 47'						See Description
5212	5213.5	1.5'	Limestone, medium gray, IIIfA.			
5213.5	5216	2.5'	Dolomite, dark gray, IIIfA, very argillaceous.			
5216	5227.8	11.8'	Limestone, dark brown, gray, IIIfA, very argillaceous.			
5227.8	5237.5	9.7'	Shale, black, slightly calcareous-calcareous near base-gradational basal contact appears flat.			
5237.5	5241	3.5'	Limestone, medium brown, IvF-FA, with strong petroleum odor.			
5241	5243	2'	Limestone, medium gray, IIIfA, argillaceous.			
5243	5244	1'	Dolomite, gray, IIIf-mA, argillaceous.			
5244	5245.5	1.5'	Limestone, light gray, I-IIIvF-fB_5 + C_1 bleeding light brown oil, 30% pale yellow Fluorescence, pale yellow Cut Fluorescence.			
5245.5	5249.5	4'	Limestone, light gray, IvFA, with fusulinids & microscopic oolites top 1'.			
5249.5	5252.5	3'	Limestone, light brown, IvFA.			
5252.5	5253.5	1'	Limestone, light brown, III-IvF-f with trace B, bleeding oil along rare tight fractures.			
5253.5	5257	3.5'	Limestone, light gray, brown, IIIfB_3 + C_2 , 5% light yellow Fluorescence, pale yellow Cut Fluorescence with uniform yellow Fluorescence along fractures, planes, bleeding brown oil in irregular patches. This interval recovered in small fragments and porosity may not be uniform.			
5257	5258	1'	Limestone, light gray, IvFA.			
5258	5259'	1'	Not recovered.			

SYMBOLS: C-CLAY OR SHALE (SAND 0-5%). 1-CLAY OR SHALE WITH SAND STREAKS (SAND 5-25%). 2-CLAY OR SHALE AND SAND (SAND 25-60%). 3-SAND WITH SHALE STREAKS (SAND 60-90%). S-SAND (90-100%).

PD 4-8 8-50

WEEK ENDING

CORE FROM TO

CORES EXAMINED BY

SHELL OIL COMPANY

CORE RECORD

AREA OR FIELD Tohonadla

COMPANY Shell Oil Company

LEASE AND WELL NO. Tohonadla #2

NO.	FROM	TO	RECOV-ERED	FORMATIONAL, STRUCTURAL AND PROBABLE PRODUCTIVITY DESCRIPTION OF CORE	SYMBOL	OBSERVED DIP	CORE INDICATIONS OIL—GAS / CORE OR DITCH
Core #3, 5259-5309', Recovered 38'							
	5259	5262	3'	Limestone, tan, IIIFA, stylolitic.			See Descriptic
	5262'	5263	1'	Limestone, tan, IvFA.			
	5263	5264	1'	Limestone, tan, IIIfA with rare large brachiopod.			
	5264	5266	2'	Limestone, tan, IFA.			
	5266	5269	3'	Limestone, medium gray brown, IvFA with abundant fusulinids.			
	5269	5270	1'	Limestone, medium brown, ImA, with black opaque chert nodules.			
	5270	5271	1'	Limestone, tan, IfmA with abundant dark brown microscopic pseudo oolitic.			
	5271	5272	1'	Limestone, tan, If-mA.			
	5272	5273	1'	Limestone, tan, IvFA.			
	5273	5275	2'	Limestone, medium brown, I-IIIvF-FA with trace B, 5% dull yellow Fluorescence and Cut Fluorescence.			
	5275	5276	1'	Limestone, tan, $IIIfB_5 + C_1$ 60% strong yellow Fluorescence, strong yellow cut Fluorescence.			
	5276	5277	1'	Limestone, light brown, IvFA.			
	5277	5278	1'	Limestone, tan, IvFA.			
	5278	5280	2'	Limestone, tan, III-IvF-fB_1, 50% brown-pale yellow Fluorescence, pale yellow Cut Fluorescence.			
	5280	5284	4'	Limestone, tan, I-IIIvf-fa.			
	5284	5285	1'	Limestone, medium brown, Ivfa.			

SYMBOLS: C-CLAY OR SHALE (SAND 0-5%). 1-CLAY OR SHALE WITH SAND STREAKS (SAND 5-25%). 2-CLAY OR SHALE AND SAND (SAND 25-60%). 3-SAND WITH SHALE STREAKS (SAND 60-90%). S-SAND (90-100%).

NOTE: SHOW FLUID CONTENT AS IN STANDARD LEGEND.

PD 4-B 8-50

WEEK ENDING_____

CORE FROM_____ TO_____

CORES EXAMINED BY_____

SHELL OIL COMPANY

CORE RECORD

AREA OR FIELD Tohonadla

COMPANY Shell Oil Company

LEASE AND WELL NO. Tohonadla #2

NO.	FROM	TO	RECOV-ERED	FORMATIONAL, STRUCTURAL AND PROBABLE PRODUCTIVITY DESCRIPTION OF CORE	SYMBOL	OBSERVED DIP	CORE INDICATIONS OIL—GAS / CORE OR DITCH
	5285	5287	2'	Limestone, light brown, I-IIIfB_2 + C_5 + D_2, 60% bright yellow Fluorescence strong yellow Cut Fluorescence.			See Description
	5287	5288	1'	Limestone, as above, B_2 + C_7 + D_2 , 40% dull yellow Fluorescence, pale yellow Cut Fluorescence.			
	5288	5289	1'	Limestone, as above, B_5 + C_5 + D_2, 50% dull yellow Fluorescence, pale yellow Cut Fluorescence.			
	5289	5290	1'	Limestone, light brown, IIIf-mC_1 + D_2 with patches tan, IIIfA Limestone, 20% pale yellow Fluorescence, pale yellow Cut Fluorescence.			
	5290	5291	1'	Limestone, light brown, I-IIIvf-mC_1 + D_1, 40% bright yellow Fluorescence, bright yellow cut fluorescence.			
	5291	5292	1'	Limestone, light brown, III-IfB_3 + C_2, 20% Fluorescence and Cut Fluorescence, as above.			
	5292	5294	2'	Limestone, tan, III-IfC_1 + D_3, trace Fluorescence, as above.			
	5294	5295	1'	Limestone, medium gray, IvfA, argillaceous, fusulinids.			
	5295	5296	1'	Limestone, medium gray, brown, IvFA, fusulinids.			
	5296	5297	1'	Limestone, light brown, IvF^A.			
	5297	5309	12'	Not recovered.			
	Core #4, 5309 -5369', Recovered 60'						
	5309	5310.4	1.4'	Limestone, medium gray, brown, IFA.			
	5310.4	5314.5	4.1'	Sandstone, medium gray, very fine, angular, well sorted, calcareous.			
	5314.5	5317.4	2.9'	Limestone, light gray, IvFA with 2" irregular shale particles at top.			

SYMBOLS: C-CLAY OR SHALE (SAND 0-5%). 1-CLAY OR SHALE WITH SAND STREAKS (SAND 5-25%). 2-CLAY OR SHALE AND SAND (SAND 25-60%). 3-SAND WITH SHALE STREAKS (SAND 60-90%). S-SAND (90-100%).

PD 4-B 8-50

WEEK ENDING

CORE FROM TO

CORES EXAMINED BY

SHELL OIL COMPANY

CORE RECORD

AREA OR FIELD Tohonadla

COMPANY Shell Oil Company

LEASE AND WELL NO. Tohonadla #2

NO.	FROM	TO	RECOVERED	FORMATIONAL, STRUCTURAL AND PROBABLE PRODUCTIVITY DESCRIPTION OF CORE	SYMBOL	OBSERVED DIP	CORE INDICATIONS OIL—GAS CORE OR DITCH
	5317.4	5317.7	.3'	Limestone, light gray, IvFA, with abundant psuedo-oolite.			See Description
	5317.7	5219	1.3'	Limestone, light gray, IvFA.			
	5319	5322	3'	Limestone, light gray, IvF-mA.			
	5322	5324.5	2.5'	Limestone, light gray, IIIfA, with trace B & C, 50% bright-dull yellow Fluorescence, bright yellow Cut Fluorescence.			
	5324.5	5334	9.5	Limestone, light gray, I-IIIvF-FA, abundant fusulinids at 27-34.			
	5334	5337.5	3.5	Limestone, light gray, IvF-FA, with rare productid brachiopods.			
	5337.5	5346.5	9'	Limestone, light gray, brown, IvFA, with scattered fusulinids.			
	5346.5	5353	6.5'	Limestone, medium gray, IcF-FA, argillaceous.			
	5353	5369	16'	Limestone, dark gray, IvF-FA, very argillaceous. NOTE: at 5358-63' one prominent vert. slickensided surface covered with black residue (appears to be a stylolite) at 5362-63 small black opaque nods.			
5	5377	5428	49'				
	5377	5378	1'	Limestone, dark gray, IvFA, very argillaceous.			
	5378	5380	2'	Limestone, dark gray-brown, IvFA, argillaceous, occasional chert nodules.			
	5380	5382	2'	Limestone, dark gray, IvFA, very argillaceous.			
	5382	5384	2'	Limestone, as above, chert nodules.			
	5384	5385	1'	Limestone, as above, very cherty.			
	5385	5390	5'	Limestone, dark gray-brown, IvFA, argillaceous.			

SYMBOLS: C-CLAY OR SHALE (SAND 0-5%). 1-CLAY OR SHALE WITH SAND STREAKS (SAND 5-25%). 2-CLAY OR SHALE AND SAND (SAND 25-60%). 3-SAND WITH SHALE STREAKS (SAND 60-90%). S-SAND (90-100%).
NOTE: SHOW FLUID CONTENT AS IN STANDARD LEGEND.

PD 4-B 8-50

SHELL OIL COMPANY

WEEK ENDING

CORE FROM TO

CORES EXAMINED BY

CORE RECORD

AREA OR FIELD Tohonadla

COMPANY Shell Oil Company

LEASE AND WELL NO. Tohonadla #2

NO.	FROM	TO	RECOVERED	FORMATIONAL, STRUCTURAL AND PROBABLE PRODUCTIVITY DESCRIPTION OF CORE	SYMBOL	OBSERVED DIP	CORE INDICATIONS OIL—GAS CORE OR DITCH
	5390	5394	4'	Limestone, as above, with chert filled veins.			See Descriptic
	5394	5396	2'	Limestone, as above, with milky chert inclusions and black nodules chert.			
	5396	5397	1'	Limestone, as above, cherty.			
	5397	5413	16'	Limestone, dark gray-brown, IvFA, argillaceous.			
	5413	5419	6'	Limestone, brown, IvFA.			
	5419	5420	1'	Limestone, as above, spotty oil stain, on vertical fracture, dull yellow Fluorescence.			
	5420	5422	2'	Limestone, dark gray, IvFA, very argillaceous, cherty.			
	5422	5425	3'	Limestone, brown, IvFA.			
	5425	5428	3'	Not recovered.			

SYMBOLS: C-CLAY OR SHALE (SAND 0-5%). 1-CLAY OR SHALE WITH SAND STREAKS (SAND 5-25%). 2-CLAY OR SHALE AND SAND (SAND 25-60%). 3-SAND WITH SHALE STREAKS (SAND 60-90%). S-SAND (90-100%).

NOTE: SHOW FLUID CONTENT AS IN STANDARD LEGEND

DITCH SAMPLES

Examined by Eakelsen 5483 to 5575
_____ to _____

Well Tohonadla #2
Field or Area 7-42S-22E

SAMPLES LAGGED NOT

FROM	TO	%	SHOWS UNDERLINED
5483	5485	75	Limestone, tan, I VFA, cherty
		25	Anhydrite
5485	5490	75	Limestone, tan, I VFA, anhydritic
		25	Dolomite, brown, III VFA
5490	5495	75	Limestone, tan-light gray, I/III VFA, anhydritic
		25	Shale, black, fissile
5495	5500	75	Limestone, light gray-tan, I VFA
		25	Anhydrite
5500	5505		As above
5505	5510	75	Limestone, tan, I VFA, anhydritic
		25	Dolomite, gypsum, III VFA
5510	5515	50	Limestone, as above
		50	Dolomite, as above
5515	5525	100	Limestone, light-dark gray, I/III VFA, anhydritic
5525	5530	50	Limestone, as above
		50	Dolomite, brown, III VFA
5530	5535	75	Limestone, tan, I/III VFA, anhydritic
		25	Dolomite, brown, III VFA
5535	5540	25	Limestone, tan, I VFA, anhydritic
		75	Dolomite, as above
5540	5545	100	Limestone, light gray, I/III VFA, anhydritic
5545	5555	75	Limestone, as above
		25	Shale, black, blocky
5555	5560	25	Limestone, as above, cherty
		50	Dolomite, brown, III VFA
		25	Shale, as above
5560	5570	75	Limestone, light gray-tan, I/III VFA, anhydritic
		25	Shale
5570	5575	50	Limestone, light gray, I VFA, cherty, anhydritic
		25	Dolomite, medium gray-tan, III VFA
		25	Shale, black, blocky

DITCH SAMPLES

Examined by Eskelsen 5575 to 5745
_____ to ____

Well Tohonadla #2
Field or Area 7-42S-22E

FROM	TO	%	SHOWS UNDERLINED — SAMPLES LAGGED NOT
5575	5580	50	Limestone, light gray, I VFA, very anhydritic
		50	Dolomite, tan, I/III VFA
5580	5600	75	Limestone, light gray, I/III VFA, anhydritic
		25	Shale, medium gray, blocky
5600	5615	100	Limestone, light gray, I/III VFA, anhydritic
5615	5625	100	Limestone, light gray-tan, I VFA, anhydritic
5625	5630	100	Limestone, light gray I/III VFA, Tr B_{Tr}, Trace fluorescence - pale yellow cut fluorescence
5630	5640	75	Limestone, as above
		25	Shale, medium gray, calcareous, fissile
5640	5650	25	Dolomite, tan, I VFA
		75	Shale, as above
5650	5655	25	Dolomite, tan, I VFA
		75	Shale, medium gray, calcareous, anhydritic
5655	5675	50	Limestone, light gray-tan, I VFA
		25	Dolomite, as above
		25	Shale, as above
5675	5685	100	Shale, medium gray, calcareous
5685	5690	100	Dolomite, tan, I/III VFA
5690	5705	100	Dolomite, tan-brown, III VF-FA
5705	5710	25	Dolomite, as above
		75	Shale, medium gray, fissile
5710	5720	50	Dolomite, as above
		50	Shale, as above
5720	5725	25	Limestone, medium gray, I VFA
		75	Dolomite, tan, III VF-FA
5725	5730	25	Limestone, medium gray, I VFA, cherty
		50	Dolomite, tan, III VFA
		25	Shale, gray, fissile
5730	5735	100	Shale, as above
5735	5745	25	Dolomite, tan, III VFA
		75	Shale, as above

DITCH SAMPLES

Examined by Eskelsen 5745 to 5900
_____ ___ to ____

Well Tohonadla #2
Field or Area 7-42S-22E

FROM	TO	%	SHOWS UNDERLINED	SAMPLES LAGGED NOT
5745	5750	50	Dolomite, as above	
		50	Shale, as above	
5750	5755	50	Dolomite, tan, III FA	
		50	Shale, as above	
5755	5775	100	Dolomite, tan, III F-MA	
5775	5785	25	Limestone, light gray, I VFA	
		75	Dolomite, tan, III VF-FA	
5785	5795	100	Dolomite, tan, III F-MA	
5795	5800	100	Dolomite, as above	

DITCH SAMPLES

Examined by Eskelsen 5900 to 6055
_____ to _____

Well Tohonadla #2
Field or Area 7-42S-22E

FROM	TO	%	SHOWS UNDERLINED	SAMPLES LAGGED NOT
5900	5915		Limestone, tan III FA, very cherty	
5915	5925	25	Shale, medium gray, fissile	
		75	Limestone, tan I/III VFA, very cherty	
5925	5935		Dolomite, light gray, III VFA, cherty	
5935	5945	50	Dolomite, as above	
		50	Limestone, tan, I/III VFA, average-medium sub round quartz grains	
5945	5950	50	Shale, medium gray, fissile	
		50	Limestone, as above	
5950	5965		Limestone, light gray-tan, I/III VF-FA, very cherty	
5965	5970	25	Shale, medium gray-gray-green, fissile	
		75	Limestone, as above	
5970	5975	75	Shale, as above	
		25	Limestone, as above	
5975	5980		Shale, light gray, fissile, soft, slightly calcareous	
5980	5990	50	Shale, as above	
		50	Limestone, brown, I VFA, cherty	
5990	6000	25	Shale, as above	
		75	Limestone, as above	
6000	6005	25	Shale, light-medium gray, slightly calcareous, fissile	
		75	Limestone, tan-brown, I VFA	
6005	6010	100	Limestone, as above	
6010	6020	100	Limestone, tan-light gray, I/III VFA, with chert block	
6020	6025	100	Limestone, tan, I/III VFA, pseudu oolitic	
6025	6030	100	Limestone, tan, I/III VFA, cherty, F_1	
6030	6040	100	Limestone, tan-light gray, I/III VFA, oolitic, cherty	
6040	6050	25	Shale, light gray, soft	
		75	Limestone, as above	
6050	6055	25	Shale, variegated, gray-brown	
		75	Limestone, tan, I VFA	
[illegible]	[illegible]	50	[illegible]	
		50	[illegible] tan, I/III VFA, average-medium sub round quartz grains	
[illegible]	[illegible]	50	[illegible]	
		50	[illegible] as above	

DITCH SAMPLES

Examined by Eskelsen 6055 to 6091
_____ ____ to _____

Well Tohonadla #2
Field or Area 7-42S-22E

FROM	TO	%	SHOWS UNDERLINED	SAMPLES LAGGED NOT
6055	6065	25	Shale, as above	
		75	Limestone, tan, I VFA, arenaceous	
6065	6075	50	Shale, variegated brown-light gray	
		50	Limestone, tan-brown, I/III VFA	
6075	6080	50	Shale, brown, mottled gray-green, soft	
		50	Shale, light gray, soft	
6080	6085	75	Shale, variegated brown, gray-gray-green	
		25	Limestone, white, I/II VFA	
6085	6091	50	Shale, variegated, as above	
		50	Limestone, as above, F_1	

Budget Bureau No. 42-R714.4.
Approval expires 12-31-60.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

ALLOTTEE Tribal Lands
TRIBE Navajo
LEASE NO. 14-20-603-232

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah *County* San Juan *Field* Wildcat-Tohonadla

The following is a correct report of operations and production (including drilling and producing wells) for the month of July, 1958,

Agent's address 705 Municipal Dr. *Company* Shell Oil Company

Farmington, New Mexico *Signed* Original signed by R. W. SHEPARD

Phone Davis 5-8811 *Agent's title* Exploitation Engineer

Sec. and ¼ of ¼	Twp.	Range	Well No.	Days Produced	Barrels of Oil	Gravity	Cu. Ft. of Gas (In thousands)	Gallons of Gasoline Recovered	Barrels of Water (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
7 SW NW	42S	~~23E~~ 22	2	-	-	-	-	-	-	Shut in

NOTE.—There were No runs or sales of oil; No M. cu. ft. of gas sold; No runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

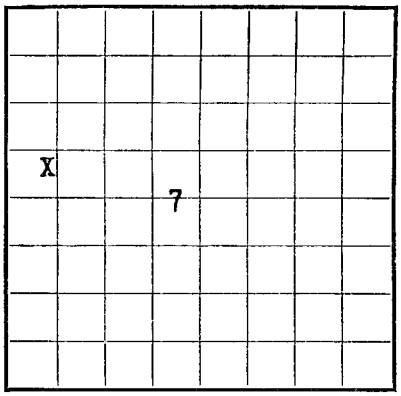
Form 9-329A
(December 1948)

16—26231-6 U. S. GOVERNMENT PRINTING OFFICE

Form 9-330

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

U. S. LAND OFFICE Window Rock, Ariz.
SERIAL NUMBER 14-20-603-232
LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Shell Oil Company Address 705 Municipal Drive, Farmington, N.M.
Lessor or Tract Tribal Lands Field Tohonadla State Utah
Well No. 2 Sec. 7 T. 42S R. 22E Meridian SLBM County San Juan
Location 2080 ft. {N} of N Line and 503 ft. {E.} of W Line of Sec. 7 Elevation 4817.7 KB
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed Original signed by B. W. SHEPARD

Date September 9, 1958 Title Exploitation Engineer

The summary on this page is for the condition of the well at above date.

Commenced drilling June 20, 19 57 Finished drilling August 4 19 57

OIL OR GAS SANDS OR ZONES

(*Denote gas by G*)

No. 1, from 5247 (gross) to 5310 No. 4, from ____ to ____
No. 2, from 5168 to 5231 No. 5, from ____ to ____
No. 3, from ____ to ____ No. 6, from ____ to ____

IMPORTANT WATER SANDS

No. 1, from ____ to ____ No. 3, from None Noted to ____
No. 2, from ____ to ____ No. 4, from ____ to ____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated From—	Perforated To—	Purpose
8 5/8"	32#	8	--	992'	Baker	--	--	--	Surface
5½"	14#	8	--	5402'	Baker	--	5247 5168	5310 5231	Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8"	1002	125 pozzo mix + 100	Displacement	-	-
5 ½"	5412	200	"	-	-

PLUGS AND ADAPTERS

Heaving plug—Material ____ Length ____ Depth set Cleaned Out XXXXXXX 5340
Adapters—Material ____ Size ____

FOLD | MARK

8 5/8"	1002	125 pozzo mix + 100	Displacement	-	-
5 1/2"	5412	200	"	-	-

FOLD | MARK

PLUGS AND ADAPTERS

Heaving plug—Material ---- Length ---- Depth set Cleaned Out XXXXXXX 5340

Adapters—Material ---- Size ----

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from 0 feet to 6099 feet, and from -- feet to -- feet

Cable tools were used from -- feet to -- feet, and from -- feet to -- feet

DATES

September 9, 58

Put to producing September 1, 58

The production for the first 24 hours was 15 barrels of fluid of which 99.7% was oil; ---% emulsion; 0.3% water; and ---% sediment.

Gravity, °Bé. XXX 41° API (Approx.)

If gas well, cu. ft. per 24 hours ---- Gallons gasoline per 1,000 cu. ft. of gas ----

Rock pressure, lbs. per sq. in. ----

EMPLOYEES

H. W. Lemms, Driller

New Drilling Co., Driller

R. L. Fisher, Driller

B. J. Fisher, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
1238	1908	670	Chinle
1908	2004	96	Shinarump
2004	2212	208	Moenkopi
2212	4219	2007	Cutler
4219	5217	998	Upper Hermosa
5217	5822	605	Paradox
5822	6059	237	Lower Hermosa
6059	--	---	Molas

[OVER]

16—43094-4

PD 4A 2-50 PRINTED IN U. S. A.

SHELL OIL COMPANY

DRILLING REPORT
FOR PERIOD ENDING 7-26-57

Tohonadla 2
WELL NO.

Tohonadla
(FIELD)

San Juan, Utah
(COUNTY)

7
(SECTION OR LEASE)

42S, R22E
(TOWNSHIP OR RANCHO)

DAY	DEPTHS FROM	DEPTHS TO	REMARKS
			Location: 2080' S and 503' E of NW Corner, Section 7, T42S, R22E, S. L. B. M., San Juan County, Utah.
			Elevations: DF 4815.8 GR 4806.5 KB 4817.7
6-20	0	224	Spudded 7:00 A. M. 6-20-57
6-21 To 6-24	224	1018	Drilled 794' Twisted off at 1018' leaving 1 drill collar in hole, recovered with grapple. Ran and cemented (992') 8-5/8", 32#, J-55, ST & C casing at 1002' with 125 sacks pozzo mix followed by 100 sacks cement treated with 2% calcium chloride. Good returns to surface. Flanged up and waited on cement. Pressure tested casing and BOP with 700 psi, OK.
6-25 To 7-20	1018	5181	Drilled 4163'. Cored 12'
7-21	5181	5212	Cored 31'. Core #1 5169 - 5212, Recovered 38'
7-22	5212	5217	Cored 5'. Ran DST #1 5157-5212- failed. Ran DST #1A, 5155-5212 Johnston Testers, Two 6-5/8" BT packers at 5149 and 5149, 41' of tail, perforations 5169-5205, 30' (.15 bbl) air cushion. Four pressure recorders, (3 inside) Johnston "T" at 5136', Johnston "T" at 5169, Amerada at 5205, (1 outside) "L" at 5210'. 3/4" subsurface bean and 1" surface bean. Initial shut in 30 min. open 2-1/2 hours, shut in 1 hour 15 minutes. Blow immediately moderate and continuing through out test. Recovered 150' (.75 bbl) including 90' (.45 bbl) slightly gassy mud, 30' (.15 bbl) slightly oil and gas cut mud, and 30' (.15bbl) heavily oil and gas cut mud. ISIP 650, IFP 120, FFP 110, FSIP 725 (still rising), HP 2780.
7-23 To 7-25	5217	5363	Cored 146'. Core #2 5212-5259', recovered 46', Core #3 5259'-5309, Recovered 38'.
7-26	5363	5369	Cored 3' . Core #4 5309-5369, recovered 60'. DST #2 5239-5369 Johnston Testers, Two 6-5/8" BY packers at 5233 and 5239', 130' of tail, perforations 5239-5375, 30' (.15 bbl) air cushion 1 inside pressure recorder

CONDITION AT BEGINNING OF PERIOD

HOLE SIZE	HOLE FROM	HOLE TO	CASING SIZE	DEPTH SET

DRILL PIPE SIZES

L. L. Aubert

PD 4A 8-56 PRINTED IN U. S. A.

SHELL OIL COMPANY

Tohonadla 2
WELL NO.

Tohonadla
(FIELD)
San Juan, Utah
(COUNTY)

DRILLING REPORT
FOR PERIOD ENDING
8-12-57

7
(SECTION OR LEASE)
42S R22E
(TOWNSHIP OR RANGE)

DAY	DEPTHS FROM	DEPTHS TO	REMARKS
			(Johnston "T") at 5226' and two outside pressure recorders at (Amerada 5364) and (Johnston "T" - 5369) 3/4" subsurface bean and 1" surface bean. Initial shut in 30 minutes, open 2-1/2 hours, final sut in 75 minutes. Blow immediately moderate - throughout test. Recovered 630' (7.25 bbl) gross including 390' (5.5 bbl) mud, 60' (.85 bbl) slightly gas cut mud and 180' (.90 bbl) heavily oil and gas cut mud. ISIP 1290, IFP 135, FFP 265, FSIP 1300, HP 2690.
7-27 To 7-29	5369	5508	Cored 53'. Drilled 86'. Core #5 5375-5428, Recovered 50'. Ran Induction - Electrical Survey, Microlaterol Log and Gamma Ray - Neutron log.
7-30 To 8-4	5508	6099	Drilled 591'.
8-5	6099	TD	Ran Induction - Electrical Survey, Microlateral and Gamma Ray - Neutron log.
8-6			Ran and cemented (5402') 5-1/2", 14#, J-55 casing at 5412' with 200 sacks cement, final pressure 1000 psi, held for 30 minutes, OK.
8-7			Cleaned out to 5340'. Displaced mud with water. Ran Gamma Ray - collar log. Jet perforated four 1/2" holes/ft. 5247-5253, 5259-5265, 5281-5285, 5294-5300, 5304-5310.
8-8			Washed perforations with 250 gal. mud acid in four 30 minute stages. Injected 2000 gal. XFW acid and 2000 gal. Jel X-100 acid. Broke down at 3200 psi, maximum pressure 3500 psi, minimum pressure 2800 psi, average rate 3.5 bbl/min, flushed with 60 bbl. water. Swabbed, 1 hour, swab block failed.
8-9 To 8-12			Swabbed 148 bbl gross, 46 bbl. oil, 102 bbl. acid water over 80 hr period (50 hour actual swabbing time) Swab rate last 6 hours 28 bbls gross, 11 bbl oil, 17 bbl water (44 B/D oil rate) cut 60%, Fluid level 50', salinity 210,000 pprn.
			Set Baker cast iron bridge plug at 5240'. Perforated four 1/2" jet

CONDITION AT BEGINNING OF PERIOD

HOLE SIZE	HOLE FROM	HOLE TO	CASING SIZE	DEPTH SET

DRILL PIPE SIZES

L. L. AUBERT

PB 4A 2-56 PRINTED IN U. S. A.

SHELL OIL COMPANY

Tohonadla #2
WELL NO.

Tohonadla
(FIELD)

DRILLING REPORT
FOR PERIOD ENDING
8-16-57

7
(SECTION OR LEASE)

San Juan, Utah
(COUNTY)

42S R22E
(TOWNSHIP OR RANCHO)

DAY	DEPTHS FROM	DEPTHS TO	REMARKS
			holes/ft. 5168-5175, 5179-5192, 5198-5210, 5225-5231. Ran tubing and packer.
8-13	6099	TD	Washed perforations with 250 gal. mud acid. Injected 2000 gal. XFW acid followed by 2000 gal. Jel X-100 acid. Maximum pressure 2900 psi. Minimum pressure 1800 psi, average rate 3 bbl/minimum. Flushed and displaced with 60 bbls water. Swabbed 12 hours - 130 bbl. water, 20 bbl. oil fluid level 4000'.
8-14 To 8-15			Swabbed 20 hour test. Swabbed 108 bbls gross, 59 bbl water, 49 bbl oil, cut 50-55%. (52 B/D oil rate). Salinity 175,000 ppm, Fluid level 3300 - 4950', 34° API gravity. Rate last 6 hours - 26 bbl. gross, 13 bbls oil, cut 50%.
8-16			Drilled out bridge plug, Ran tubing with pump anchor landed at 5331. Released rig 8:00 P.M. 8-16-57 - Suspended.
			Checked BOP daily Mud Summary wt 9.4 - 10.4#/gal vis 38 - 65 sec wl 8 - 28 cc FC 2/32" pH 7.5-9

CONDITION AT BEGINNING OF PERIOD

HOLE SIZE	HOLE FROM	HOLE TO	CASING SIZE	DEPTH SET
12-1/4"	0	1002	8-5/8"	1002'
7-7/8"	1002	6099	5-1/2"	5412'

DRILL PIPE SIZES 4-1/2"

Contractor: New Drilling Company
Drillers: H. W. Lemons
R. L. Fisher
B. J. Fisher

L. L. Aubert

Form 9-331 b
(April 1952)

Budget Bureau No. 42-R359.4.
Approval expires 12-31-60.

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Indian Agency Navajo

Allottee Tribal Lands

Lease No. 14-20-603-232

71-H 12.31

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL		SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL		Completion Notice	X

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

December 1, 1958

Well No. Tohonadla 2 is located 2080 ft. from {N} line and 503 ft. from {W} line of sec. 7

NW 7 (¼ Sec. and Sec. No.) | 42S (Twp.) | 22E (Range) | SLBM (Meridian)

Wildcat (Field) | San Juan (County or Subdivision) | Utah (State or Territory)

The elevation of the Kelly Bushing above sea level is 4818 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Started pumping well continuously 9-1-58. Representative initial production on 9-9-58, 15 B/D gross, 15 B/D oil, 0.3% cut, no gas measurement. Producing from combined Bluff and Desert Creek zones.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Shell Oil Company

Address 705 Municipal Drive

Farmington, New Mexico

Original signed by
B. W. SHEPARD

By _____

Title B. W. Shepard
Exploitation Engineer

U. S. GOVERNMENT PRINTING OFFICE 16—8437b-8

Form 9-331 b
(April 1952)

Budget Bureau No. 42-R359.4.
Approval expires 12-31-60.

Indian Agency Navajo

Allottee Tribal Lands

Lease No. 14-20-603-232

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL		SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY Summary of Completion Operations	X
NOTICE OF INTENTION TO ABANDON WELL			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

April 9, 1959

Well No. Tohonadla 2 is located 2080 ft. from {N} line and 503 ft. from {E} line of sec. 7

NW 7	42S	22E	SLBM
(¼ Sec. and Sec. No.)	(Twp.)	(Range)	(Meridian)

Wildcat	San Juan	Utah
(Field)	(County or Subdivision)	(State or Territory)

The elevation of the ~~derrick floor~~ Kelly bushing above sea level is 4818 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

8-6-57 Ran and cemented (5402') 5 1/2", 14#, J-55 casing at 5412' with 200 sacks cement.

8-7-57 Cleaned out to 5340'. Jet perforated four 1/2" holes/ft. 5247-5253, 5259-5265, 5281-5285, 5294-5300, 5304-5310.

8-8-57 Washed perforations with 250 gallons mud acid, injected 200 gallons XFW acid and 2000 gallons Jel X-100 acid, maximum pressure 3500 psi, minimum pressure 2800 psi, average rate 3.5 bbls/min.

(over)

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Shell Oil Company

Address 705 West Municipal Drive

Farmington, New Mexico

Original signed by
B. W. SHEPARD

By B. W. Shepard

Title Exploitation Engineer

U. S. GOVERNMENT PRINTING OFFICE 16—8437b-8

8-9-57 to 8-12-57 Swabbed 148 barrels gross, 46 barrels oil, 102 barrels acid water in 80 hours, rate last 6 hours 44 B/D oil cut 60%, set bridge plug at 5240'. Perforated four 1/2" jet holes/ft. 5168-5175, 5179-5192, 5198-5210, 5225-5231.

8-13-57 Washed perforations with 250 gallons mud acid. Injected 2000 gallons XFW and 2000 gallons Jel X-100 acid. Maximum pressure 2900 psi, minimum pressure 1800 psi, average rate 3 bbls./min.

8-14-57 to 8-15-57 Swabbed 108 barrels gross, 59 barrels water, 49 barrels oil (Rate 52 B/D) cut 50-55%.

8-16-57 Drilled out bridge plug.

8-17-57 to 9-1-58 Shut in.

9-9-58 INITIAL PRODUCTION

Pumping 15B/D gross, 15 B/D oil cut 0.3%, no gas measurement completed 9-9-58.

Card file CR

Copy H.L.C.

Form 9-331 b
(April 1952)

X			

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 42-R359.4.
Approval expires 12-31-60.

Indian Agency Navajo

Allottee Tribal Lands

Lease No. 14-20-603-232

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL		SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL	X		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

September 30, 1963

Well No. Tohonadla 2 is located 2080 ft. from {N} line and 303 ft. from {W} line of sec. 7

SW/4 NW/4 7 (¼ Sec. and Sec. No.) 42 S. (Twp.) 22 E. (Range) S.L.M. (Meridian)

Tohonadla (Field) San Juan (County or Subdivision) Utah (State or Territory)

The elevation of the Kelly Bushing above sea level is 4817.7 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Status: T.D. 6099'; PBTD 5340'. Plug at 6085' w/50 sx. and 5525' w/25 sx. Csg. 8-5/8" at 1002'; 5-1/2" at 5412'. Perf. 5168-75', 79-92', 5198-5210', 25-31', 47-53', 59-65', 81-85', 5294-5300', 04-10'.

Proposed Work:

1. Pull rods.
2. Run tubing to 5310' and cement across perforation with 40 sacks cement.
3. Pull tubing to 60' and spot 10 sacks cement.
4. Pull tubing and install abandonment marker with "Shell Oil Company Tohonadla No. 2, SW/4 NW/4 Section 7, T. 42 S., R. 22 E., S.L.M., San Juan County, Utah".

Reason for Abandonment: Production declined to 2 bbls./day non-commercial.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Shell Oil Company

Address Post Office Box 1200

Farmington, New Mexico

Original signed by
J. E. DOZIER JR.

By Joe E. Dozier, Jr.

Title Div. Prod. Superintendent

Form 9-331 b
(April 1952)

Budget Bureau No. 42-R359.4.
Approval expires 12-31-60.

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Indian Agency Navajo

Allottee Tribal Lands

Lease No. 14-20-603-232

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
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NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

October 11, 1963

Tohonadla
Well No. 2 is located 2080 ft. from {N} line and 903 ft. from {W} line of sec. 7

SW/4 NW/4 7 (¼ Sec. and Sec. No.) | 42 S. (Twp.) | 22 E. (Range) | S.L.M. (Meridian)

Tohonadla (Field) | San Juan (County or Subdivision) | Utah (State or Territory)

The elevation of the Kelly Bushing above sea level is 4827.7 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

10-8-63
Abandonment Work:
Pull rods and pump. Ran tubing to 5310' and cemented across perfs with 40 sacks cement. Pulled tubing to 60' and spotted 10 sacks cement to surface. Finished pulling tubing and installed marker.

Verbal approval from Mr. Ruby Baker (U.S.G.S.) to J. Q. Hankins per telephone conversation 10-4-63.

Verbal approval from Mr. Paul Burrell (Utah OGCC) to J. Q. Hankins per telephone conversation 10-4-63.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Shell Oil Company

Address Post Office Box 1200

Farmington, New Mexico

Original signed by
J. E. DOZIER JR.

By Joe E. Dozier, Jr.

Title Division Production Superintendent

U. S. GOVERNMENT PRINTING OFFICE 16—8437b-8

MAKE COPY & RETURN

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
P. O. Box 959
Farmington, New Mexico

Feb. 3, 1964

Mr. Harvey Coonts
Utah Oil & Gas Conservation Comm.
Moab, Utah

Dear Harvey:

The following abandoned wells in San Juan Co., Utah were inspected and approved by this office during January:

Champlin Oil & Refg. No. 2 Navajo 130, NW¼ 21-43S-25E
Continental Oil Co., No. 1 Navajo "E", NW¼ 24-42S-23E
Shell Oil Co., No. 2 Tohonadla, NW¼ 7-42S-22E
Miami Petroleum No. B-1 Navajo Tr. 12, SE¼ 28-41S-21E

The following abandoned wells were inspected but not approved:

APCO No. 1-X-28 Navajo, NW¼ 28-43S-25E
Compass Exploration, No. 1-28 Gothic Mesa South, NE¼ 28-41S-23E
Compass Exploration, No. 1-4 Dunes, SW¼ 4-42S-23E
Sunray "DX" No. 1 Navajo "B", NW¼ 4-43S-23E

P. T. McGrath